**Installation Procedure**

- Approximately range between the two units is Up to 1500 ft direct-line-of-sight or less:
  2. Connect existing aux power transformer from discarded green aux terminal into #1 & #2 baseboard terminal.
  3. Wire baseboard Relay 2 to terminal P3 & P4 (assuming 1830 series has already been completely setup).
  4. Connect antenna to houboard and install antenna where desired.
  5. Plug RF remote module onto tracker expansion board and secure with 4 screws (assuming tracker board has already been completely setup and power has been turned OFF).
  6. Connect antenna to RF remote module and install antenna where desired.
  7. Set NET ID to “A” on baseboard AND RF remote module. Set CHs to “4”.
  8. Set tracker expansion board address to “3”.
  9. Power both systems up (1830 series baseboard and tracker expansion board’s LEDs will light up).

After the 9 installation steps have been preformed:

- Press PROGRAM button on baseboard, then activate the device wired to the tracker expansion board (card reader).
- RF SECURE LED on tracker expansion board will turn from RED to GREEN (this may take up to 20 sec.) when communication has been SUCCESSFULLY established.

**No “Green RF SECURE” LED?**

- Try changing NET ID’s and CH’s on both.
- Same NET ID numbers and Same CH number’s MUST be set for both.
- Press PROGRAM button on RF Remote Module after changing NET ID & CH. Press RESET buttons on each other of RF ID’s and CH’s.
- Try a few different NET ID and CH settings. SHO NO Green RF SECURE LED? Relocation of the antenna or LONGER antennas? Relocation of tracker expansion board?

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**HARDwired tracker expansion board Options for an Access Point**

**Typical 900 MHz Wireless Tracker Expansion Board Wiring Options**

Optional 900 MHz Wireless Test Range Kit: DoorKing offers a 900 MHz wireless test range kit (sold separately) that is used to easily test the wireless signal between the telephone entry system and any access control device(s) in desired positions. Before they are permanently installed, this test kit is self-contained and is easily positioned anywhere to quickly confirm wireless signal strength. PN 1514-140.

**For MORE installation instructions, refer to the 900 MHz wireless baseboard manual 2333-065 and the HARDwired tracker expansion board manual 2358-065.**

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**1830 Series Access Control Board**

**Antenna Mount**

The 900 MHz wireless baseboard REPLACES the 14-pin aux terminal on the access control system’s board. The existing 16.5 VAC 20 VA aux terminal input power transformer is REQUIRED and is reconnected to the 10-pin terminal #1-#2. Antenna is REQUIRED.

**900 MHz Wireless Baseboard**

**Plug into 14-Pin Aux Terminal**

**Relay 2**

Relay 2 gets activated by Wiegand 2 input.

**No “Green RF SECURE” LED?**

- Try changing NET ID’s and CH’s on both.
- Same NET ID numbers and Same CH number’s MUST be set for both.
- Press PROGRAM button on RF Remote Module after changing NET ID & CH. Press RESET buttons on each other of RF ID’s and CH’s.
- Try a few different NET ID and CH settings. SHO NO Green RF SECURE LED? Relocation of the antenna or LONGER antennas? Relocation of tracker expansion board?

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**Quickstart for One 900 MHz Wireless Tracker Expansion Board Connection to 1830’s Series “RELAY 2”**

The wireless devices should work with the factory programmed settings for this BASIC wireless configuration. More programming may be desired and/or necessary when using more tracker expansion boards. See the back side for limited programming or 900 MHz Wireless Baseboard manual 2333-065 for ALL programming.
Follow these basic steps to perform desired wireless programming.

1. Press button to activate LED display.
2. Press ENT button and then use ◆ scroll buttons to display desired "Program Step" number from list below.
3. Press ENT button to enter selected program step number.
4. Select desired data while in program step using ◆ buttons.
5. Press ENT button to enter selected data. (Function has now been programmed into board).
6. Press ENT button AGAIN to EXIT programming OR after 10 seconds, board will automatically EXIT programming.

Programming Sequence for Wireless Tracker Expansion Board

Follow these basic steps to perform desired wireless programming. EACH tracker expansion board in the system MUST be physically programmed.

Compatible ONLY with Tracker Expansion Board 2358-010 Revision N or higher.
1. Press a button to activate LED display.
2. Press ENT button and then use ◆ scroll buttons to display desired "Program Step" number from list below.
3. Press ENT button to enter selected program step number.
4. Select desired data while in program step using ◆ buttons.
5. Press ENT button to enter selected data. (Function has now been programmed into board).
6. Press ENT button AGAIN to EXIT programming OR after 10 seconds, board will automatically EXIT programming.

Note: Repeat these steps for all other desired wireless programming functions for THIS tracker expansion board. Each tracker expansion board will have to be INDIVIDUALLY programmed with desired functions.